

# Town of Discovery Bay CSD

## Proposed Water & Sewer Rates

### 2011/12 & 2012/13

---

Gary Hornberger  
Hornberger Engineering  
August 3, 2011



# Goals of Rate Development

---

- Fund 2 year revenue requirements
  - Operating expenses
  - Capital improvements
  - Replacement funding
- Recover costs proportionate to use
  - Prop. 218 requirement
  - Develop updated rate structures for each system



# Operating Expenses





# Water CIP & Replacement Funds

	<u>2011/12</u>	<u>2012/13</u>
■ Projects		
■ New well No. 7	\$40,000	\$575,000
■ Rehab wells	\$30,000	\$30,000
■ Well transducers/Wellhead survey	\$36,000	
■ Other projects	<u>\$18,000</u>	<u>\$75,000</u>
■ Total Projects	\$124,000	\$680,000
■ Infrastructure Replacement Funds		
■ Pumps/motors replacements	\$24,000	\$60,000
■ Water facilities replacements	\$100,000	\$100,000
■ Facilities and vehicles replacements	<u>\$12,000</u>	<u>\$20,000</u>
■ Total Replacement Funding	\$136,000	\$180,000



# Sewer CIP & Replacement Funds

	<u>2011/12</u>	<u>2012/13</u>
■ Projects		
■ Belt presses & biosolids dewatering	\$800,000	\$800,000
■ Reactivate pump station "W"	\$20,000	\$358,000
■ Influent pump station modifications		\$90,000
■ Collection System Pump Station Imps.	\$40,000	\$50,000
■ Salinity project	\$70,000	
■ Other projects	<u>\$196,000</u>	<u>\$82,000</u>
■ Total Projects	\$1,126,000	\$1,380,000
■ Infrastructure Replacement Funds		
■ Pumps/motors replacements	\$16,000	\$40,000
■ Sewer facilities replacements	\$150,000	\$150,000
■ Facilities and vehicles replacements	<u>\$18,000</u>	<u>\$30,000</u>
■ Total replacement funding	\$184,000	\$220,000

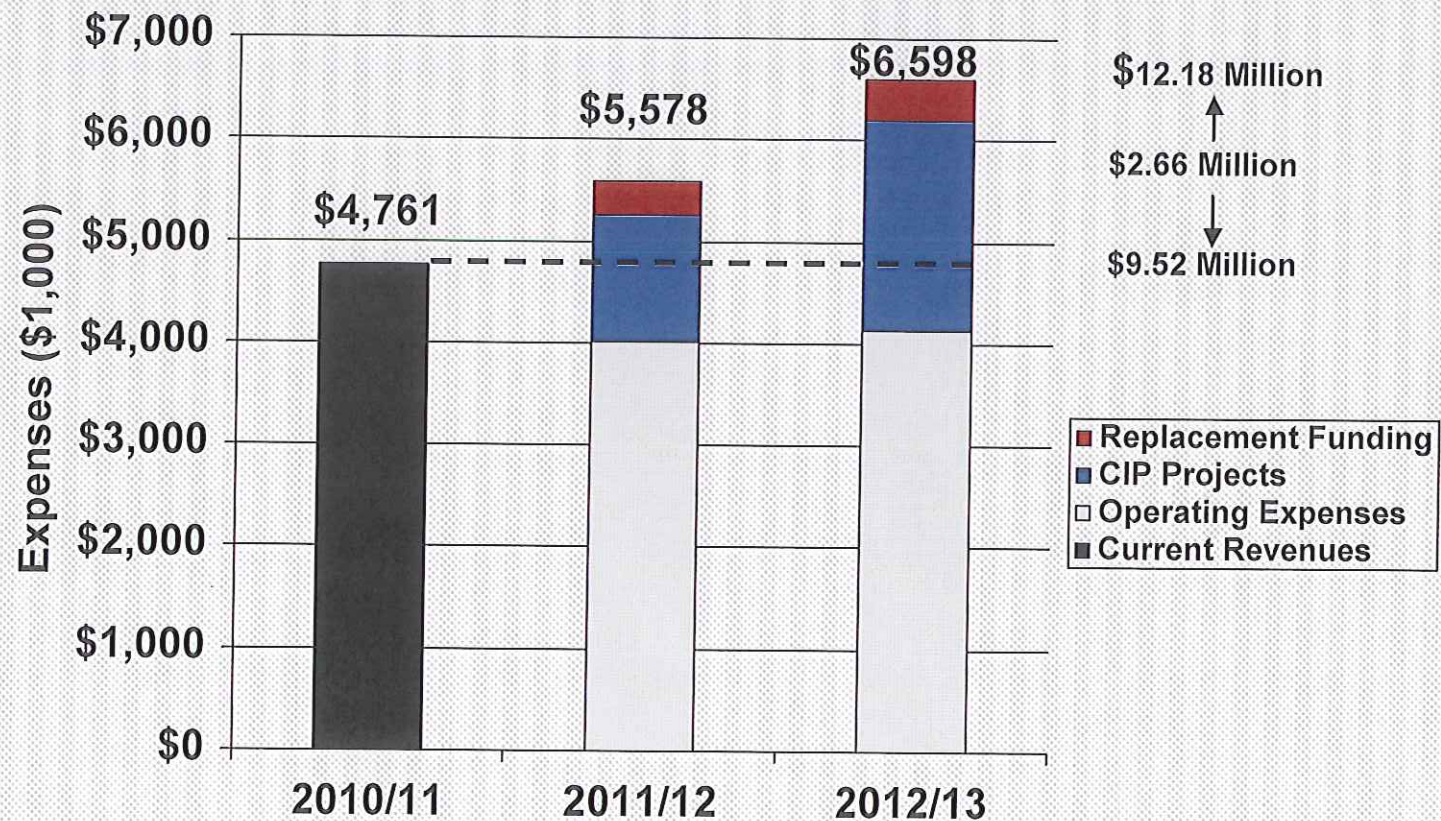


# CIP and Replacement Funding



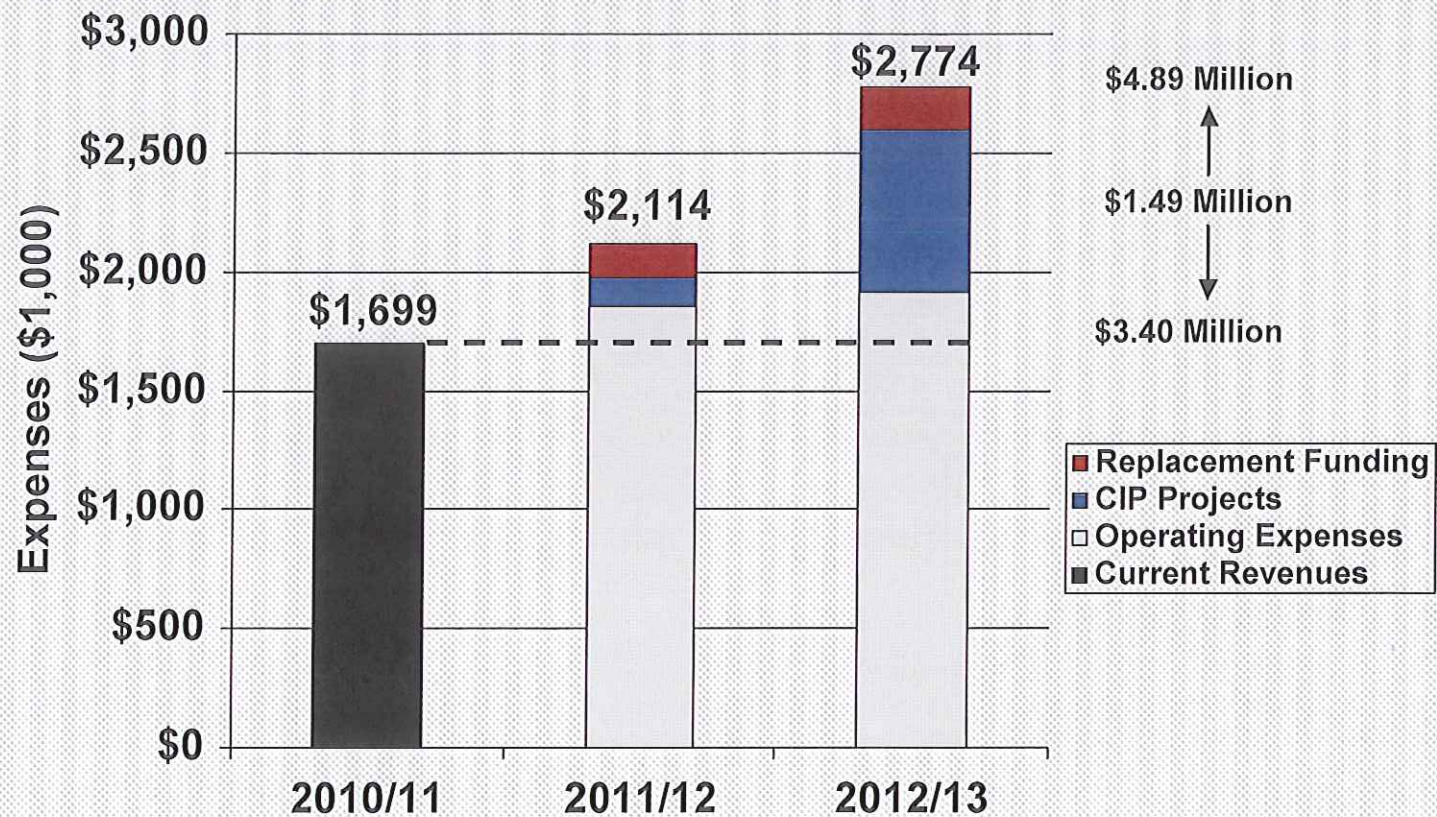


# Total Revenue Requirements



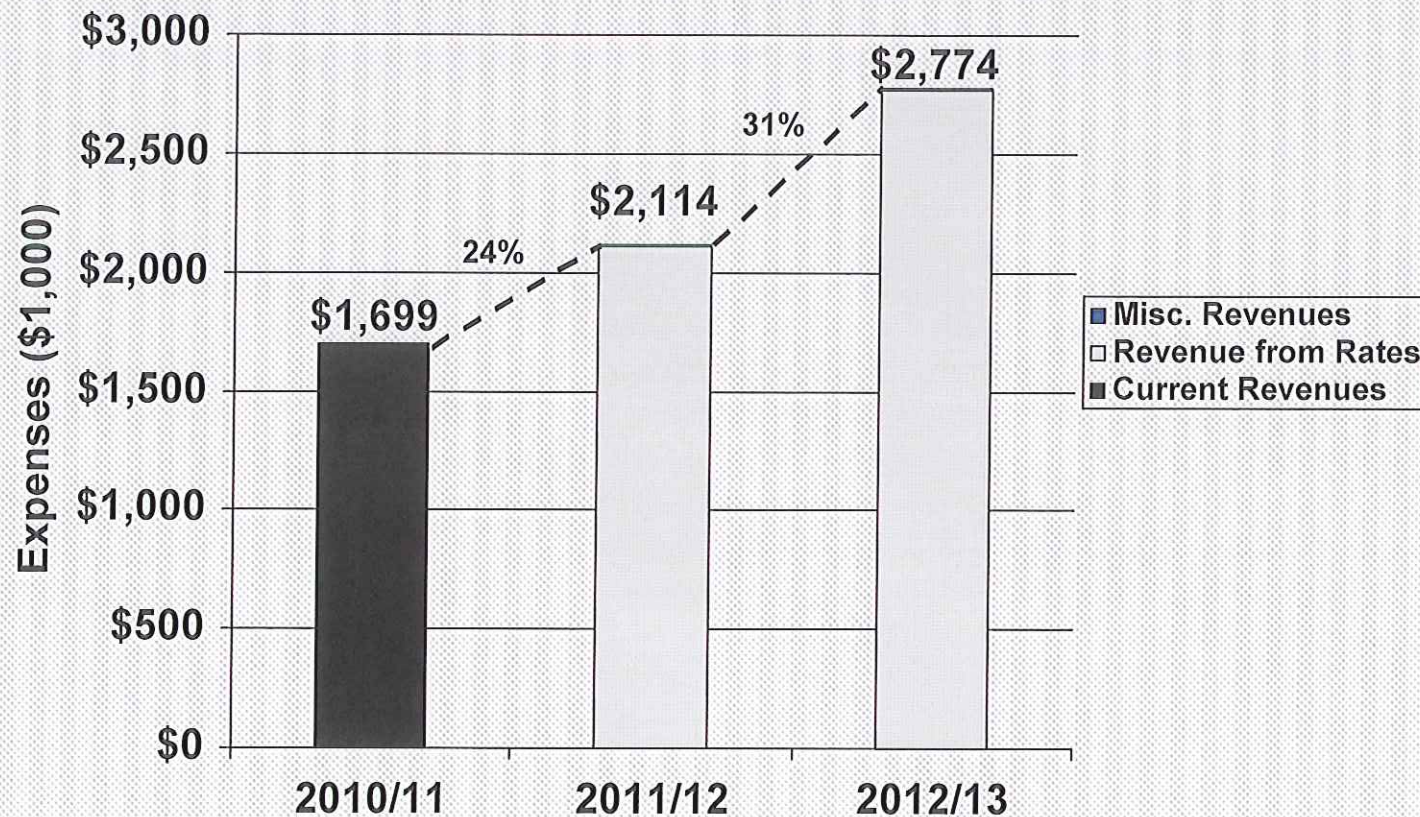


# Water Revenue Requirements





# Revenue from Water Rates





# 2011/12 & 2012/13 Water Rates

## Unmetered Monthly Rates

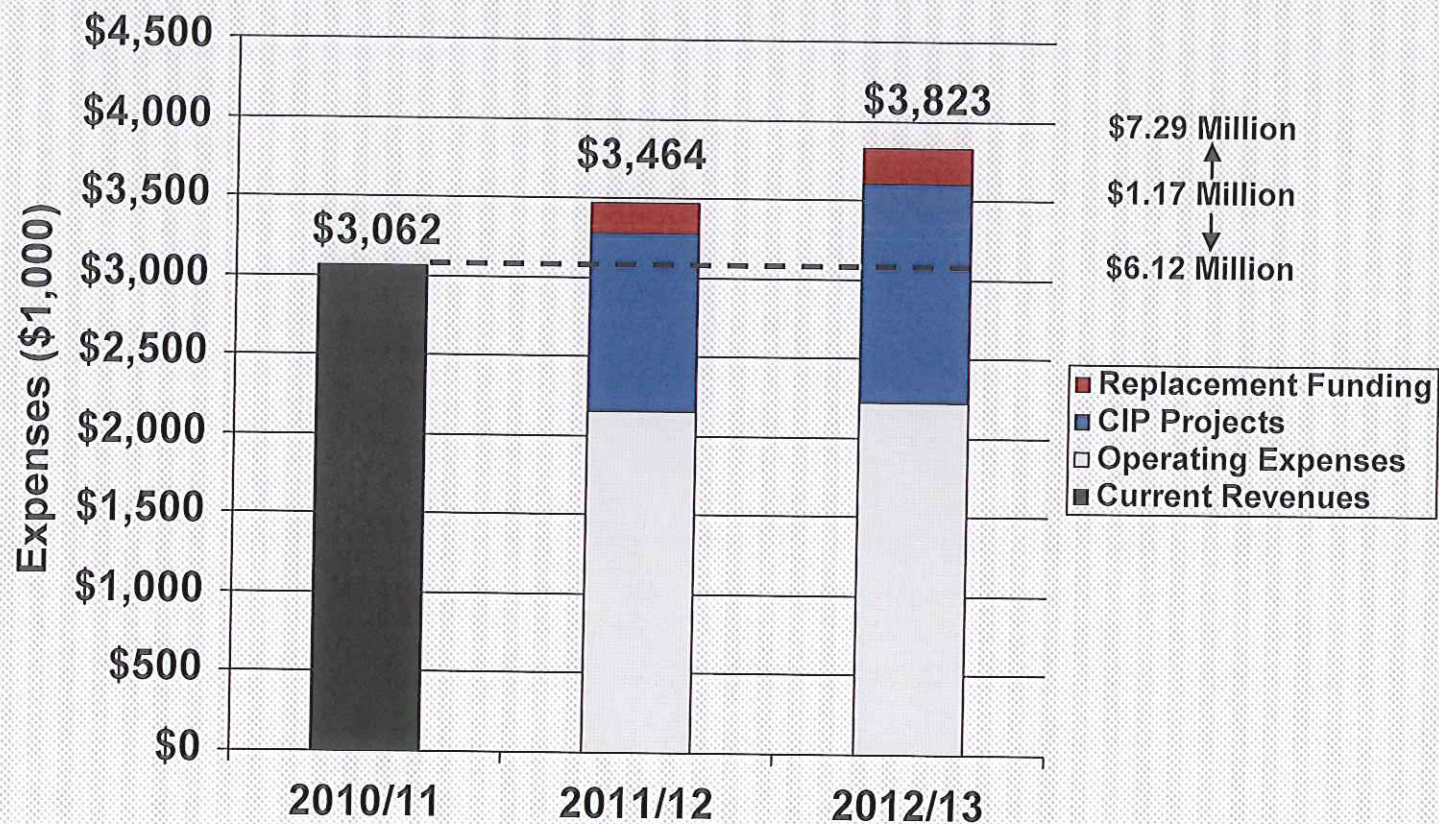
Residential Parcel Size	2010/11 Existing Rates	2011/12 Proposed	2012/13 Proposed
Multiple Family - No Irrigation	\$18.75	\$15.05	\$20.31
Under 5,000 SF	\$18.75	\$23.11	\$30.91
5,000 - 10,000 SF	\$23.77	\$29.29	\$39.04
10,001 - 15,000 SF	\$28.79	\$35.47	\$47.17
Each Additional 1,000 SF	\$1.67	\$2.06	\$2.71

## Metered Rates

Customer Type	2010/11		2011/12		2012/13	
	Account (\$/month)	Usage (\$/ccf)	Account (\$/month)	Usage (\$/ccf)	Account (\$/month)	Usage (\$/ccf)
Residential	\$5.74	\$0.803	\$7.19	\$1.075	\$9.26	\$1.413
Nonresidential	\$5.49 - \$17.73	\$0.803	\$6.90 - \$21.73	\$1.075	\$8.95 - \$24.36	\$1.413
Irrigation	\$1.80 - \$14.04	\$0.803	\$2.33 - \$17.16	\$1.075	\$2.42 - \$17.83	\$1.413

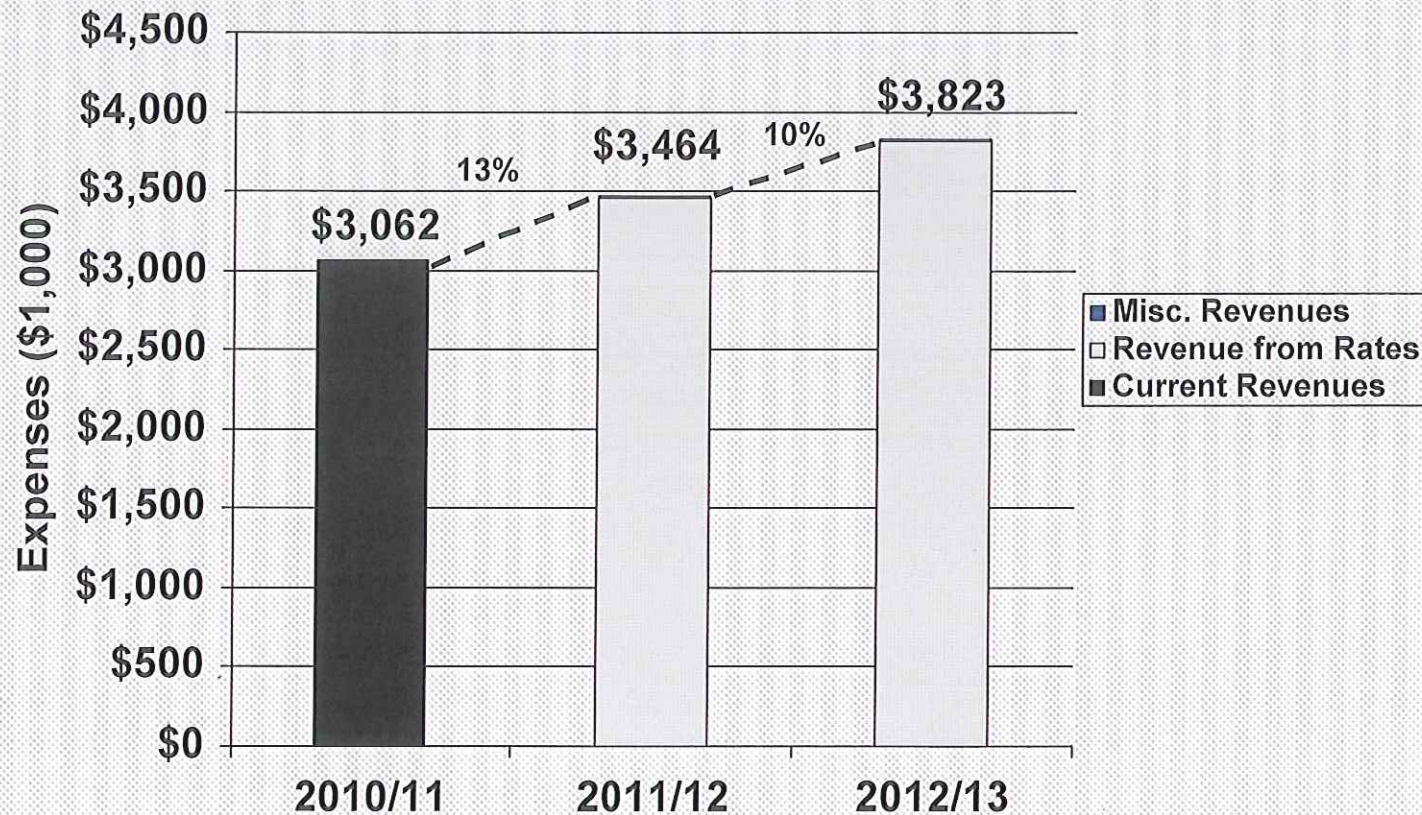


# Sewer Revenue Requirements





# Revenue from Sewer Rates





# 2011/12 & 2012/13 Sewer Rates

## Residential Rates

Residential Classification	2010/11 Existing Rates (\$/month)	2011/12 (\$/month)	2012/13 (\$/month)
Multiple Family, Condos	\$33.29/month	\$37.79/month	\$41.83/month
Single Family	\$44.38/month	\$50.39/month	\$55.77/month

## Metered Nonresidential Rates

User Classification	2010/11 Existing Rates (\$/ccf)	2011/12 (\$/ccf)	2012/13 (\$/ccf)
Business/Government/Clubs	\$3.082	\$3.499	\$3.873
Restaurants/Bars/Dining	\$9.048	\$10.248	\$11.343
Schools	\$2.773	\$3.150	\$3.486
Other Domestic Strength Users	\$3.082	\$3.499	\$3.873



# Total Residential Charges

User Classification	2010/11 (\$/year)	2011/12 (\$/year)	2011/12 Increase		2012/13 (\$/year)	2012/13 Increase	
			(\$/year)	%		(\$/year)	%
Multiple Family/Condos No Irrigation Use	\$624	\$634	\$10	2%	\$746	\$112	18%
Multiple Family/Condos	\$624	\$731	\$107	17%	\$873	\$142	19%
Single Family Under 5,000 SF	\$758	\$882	\$124	16%	\$1,040	\$158	18%
Single Family 5,000 - 10,000 SF	\$818	\$956	\$138	17%	\$1,138	\$182	19%
Single Family 10,001 - 15,000 SF	\$878	\$1,030	\$152	17%	\$1,235	\$205	20%
Single Family Metered 18 ccf/month	\$775	\$923	\$148	19%	\$1,086	\$163	18%



# Two Year Rate Program

---

Annual Increases	2011/12	2012/13	Two-Year Average
Water Rates	24%	31%	28%
Sewer Rates	13%	10%	12%
Total Rates	17%	18%	18%